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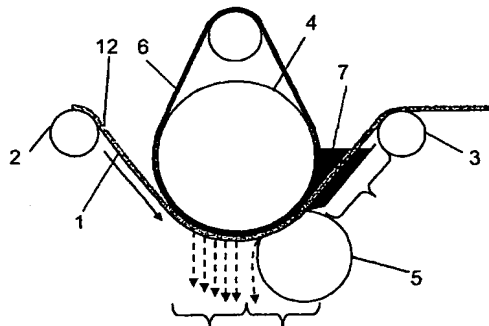
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[Continued on next page]

(54) Title: PROCESS AND ARRANGEMENT FOR REPLACING INTRA-FIBER LIQUID IN FIBERS WITH A REPLACE-
MENT LIQUID



(57) Abstract: The present invention relates to a process for replacing intra-fiber liquid in fibers by a replacement liquid, comprising the following steps; compressing the fiber cake to such a degree that a substantial quantity of the intra-fiber liquid is expressed to the space between the fibers and partially out of the fiber cake, forcibly supplying the replacement liquid to the fiber cake during the compression and thus replacing the intra-fiber liquid from the space between the fibers and letting the fibers expand while supplying additional replacement liquid which is thus further absorbed by the expanding fibers. It also relates to an arrangement for replacing intra-fiber liquid in fibers with a replacement liquid comprising a device (1, 4, 5) for compressing the fiber cake in such a degree that a substantial quantity of intra-fiber liquid is expressed to the space between the fibers and partially out of the fiber cake, a first device (6, 8, 9) for forcibly supplying the replacement liquid to the fibers during the compression and a second device (7) for supplying additional replacement liquid immediately after the device for compression arranged in an expansion area where the fibers are allowed to expand after the compression while absorbing replacement liquid. The object of the present invention is to get rid of or significantly reduce the content of contaminating material in not only the areas between the fibers in a fiber cake but also in the fiber wall pores and the lumen and replace this liquid by a replacement liquid.

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

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SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2355091 A (MANUEL C. MCDONALD), 8 August 1944 (08.08.44), page 2, column 1, line 64 - column 2, line 74; page 3, column 1, line 26 - column 2, line 3	1-14,17-18
A	--	15-16
Y	US 3616660 A (GOSTA INGEMAR INGEMARSSON), 2 November 1971 (02.11.71), column 3, line 40 - line 51; column 3, line 66 - column 4, line 6; column 5, line 63 - column 6, line 20	1-14,17-18
A	--	15-16

☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4838995 A (ARNE I. KLAUSEN), 13 June 1989 (13.06.89) -- -----	1-18

INTERNATIONAL SEARCH REPORT
Information on patent family members

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